

## Journal Publication AY 2023-2024

S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Name of the Journal	Volume No, Issue No & Page No	Month & Year	Indexed in	Impact factor & Quartiles	Online Link of the paper
1	An investigation on effect of ultraviolet (UV) rays on mechanical properties of epoxy laminates	R.Naveen, KCG College of Technology, Karapakkam, Chennai, <b>M.Kumar &amp; KPRIET</b> , M Ramesh, SNS College of Technology, Coimbatore, R Abinaya, MS Prasath, Bannari Amman Institute of Engineering and Technology, Sathyamangalam, Erode	Materials Today: Proceedings - Published	<a href="https://doi.org/10.1016/j.matpr.2023.06.257">https://doi.org/10.1016/j.matpr.2023.06.257</a>	July & 2023	Scopus	-	<a href="https://www.sciencedirect.com/science/article/abs/pii/S2214785323036489">https://www.sciencedirect.com/science/article/abs/pii/S2214785323036489</a>
2	A Concise Review on Welding Defect Analysis and Remedial Measures of Austenitic Stainless Steel	Arulmurugan B & KPRIET, Muthukumaran N, Ramaneedharan K.S, Mithun N.S, Sanjay B, Solaiyappan K and <b>Muthukumaran M, KPRIET</b>	Nano World Journal	<a href="https://doi.org/10.17756/nwj.2023-s1-023">https://doi.org/10.17756/nwj.2023-s1-023</a>	July & 2023	Scopus	NA	<a href="https://jnanoworld.com/articles/v9s1/nwj-s1-arulmurugan-b.pdf">https://jnanoworld.com/articles/v9s1/nwj-s1-arulmurugan-b.pdf</a>
3	A comparative study on the mechanical properties of African teff and snake grass fiber-reinforced hybrid composites: effect of bio castor	K Manickaraj & CMS CET R Ramamoorthi, <b>S Sathish</b> , A Johnson Santhosh, Jimma Institute of Technology, Jimma University, Jimma, Ethiopia	International Polymer Processing	<a href="https://doi.org/10.1515/ipp-2023-4343">https://doi.org/10.1515/ipp-2023-4343</a>	July & 2023	SCI	1.13 & Q3	<a href="https://www.degruyter.com/document/doi/10.1515/ipp-2023-4343/html">https://www.degruyter.com/document/doi/10.1515/ipp-2023-4343/html</a>

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	seed shell/glass/SiC fillers							
4	Exploring the mechanical, tribological, and morphological characteristics of areca fiber epoxy composites reinforced with various fillers for multifaceted applications	P. K. Miniappan & Karpagam Academy of Higher Education, <b>S. Dharani Kumar &amp; KPRIET</b> , S. Marimuthu, S. Shubham Sharma, Abhinav Kumar, Bashir Salah and Syed Sajid Ullah	Frontiers in Materials	<a href="https://doi.org/10.3389/fmats.2023.1185215">https://doi.org/10.3389/fmats.2023.1185215</a>	<b>July &amp; 2023</b>	SCI	3.985 & Q2	<a href="https://www.frontiersin.org/articles/10.3389/fmats.2023.1185215/full">https://www.frontiersin.org/articles/10.3389/fmats.2023.1185215/full</a>

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5	Experimental investigations of electrodeposited Zn-Ni, Zn-Co, and Ni-Cr-Co based novel coatings on AA7075 substrate to ameliorate the mechanical, abrasion, morphological and corrosion properties on Automobile applications	<b>Arulmurugan B &amp; KPRIET, Govindaswamy Sundaramali*</b> , Jeeva P. Aiyasamy, Sambantham Karthikeyan, Thanjavur K. Kandavel, Balasubramanian Arulmurugan, Sivanraju Rajkumar, Shubham Sharma, Chandigarh University, Mohali, Punjab, India*, Changhe Li, Shashi Prakash Dwivedi, Abhinav Kumar*, Rajesh Singh, Ural Federal University Named After the First President of Russia, Yekaterinburg, Russia, and Sayed M. Eldin, King Saud University, Riyadh, Saudi Arabia	Reviews on Advanced Materials Science	<a href="https://doi.org/10.1515/rams-2022-0324">https://doi.org/10.1515/rams-2022-0324</a>	<b>July &amp; 2023</b>	SCI	3.6 & Q2	<a href="https://www.degruyter.com/document/doi/10.1515/rams-2022-0324/html">https://www.degruyter.com/document/doi/10.1515/rams-2022-0324/html</a>
6	Synthesis and Characterization of Jute and Banana Fiber Reinforced Polyester Composites	<b>N.Karthi, KPRIET, S.Sathish, Dr.S.Gokulkumar, R. Gokulnath, T. Aravinth and G. Govindaraj</b>	Nano World Journal	<a href="http://www.inanoworld.com/nwj-s1-karthi.pdf">nwj-s1-karthi.pdf (inanoworld.com)</a>	<b>July &amp; 2023</b>	Scopus	Q3	<a href="https://inanoworld.com/articles/v9s1/nwj-s1-karthi.pdf">https://inanoworld.com/articles/v9s1/nwj-s1-karthi.pdf</a>

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7	Mechanical and Wear Properties of Natural Fibers Reinforced Composites and its Applications - A Review	<b>S. Sathish</b> , M. Aravindh, L. Prabhu, S. Gokulkumar, M. Thejeshwar, R.K. Siva Visagan, K. Thiru Vikraman, M. Yuvarajan, Pottli Tulasi Kumar Reddy, V. Kavipriyadharsan, D. Kesavan and M. Vijaya Sree	Nano World Journal	<a href="https://doi.org/10.17756/nwj.2023-s1-0">https://doi.org/10.17756/nwj.2023-s1-0</a>	<b>August &amp; 2023</b>	Scopus	NA	<a href="https://jnanoworld.com/articles/v9s1/nwj-s1-sathish.pdf">https://jnanoworld.com/articles/v9s1/nwj-s1-sathish.pdf</a>
8	Investigations on Mechanical Properties and Characterisation of Polylactic Acid/Aluminium Metal Infill Polymer Composites Manufactured by Fused Deposition Modelling	<b>Dr.K.Ravikumar</b> , KPRIET, M.Gokul, M.Kumar & KPRIET	Journal of Materials Engineering and Performance	<a href="https://doi.org/10.1007/s11665-023-08572-3">https://doi.org/10.1007/s11665-023-08572-3</a>	<b>August &amp; 2023</b>	SCI	2.3 & Q2	<a href="https://link.springer.com/article/10.1007/s11665-023-08572-3#citeas">https://link.springer.com/article/10.1007/s11665-023-08572-3#citeas</a>
9	Investigating the Performance of a Flat Plate Solar Water Heating System using CeO <sub>2</sub> /Water Nanofluid - A	<b>P.Manoj Kumar &amp; KPRIET</b> , P. Michael Joseph Stalin & Audisankara College of Engineering & Technology, Gudur - 524101, Andhra Pradesh, Murugesan Palaniappan, Imam	Journal of Enhanced Heat Transfer	<a href="https://www.dl.begellhouse.com/cn/journals/4c8f5faa331b09ea.forthcoming,48767.html">https://www.dl.begellhouse.com/cn/journals/4c8f5faa331b09ea.forthcoming,48767.html</a>	<b>August &amp; 2023</b>	SCI	2.3 & Q2	<a href="https://www.dl.begellhouse.com/cn/journals/4c8f5faa331b09ea.forthcoming,48767.html#">https://www.dl.begellhouse.com/cn/journals/4c8f5faa331b09ea.forthcoming,48767.html#</a>

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	Holistic Approach	Mohammad Ibn Saud Islamic University, Riyadh, Saudi Arabia, B.Prabu, Christian College of Engineering and Technology, Dindigul, M Vijayakumar, PSN college of Engineering and Technology, Tirunelveli		<a href="#">tml#</a>				
10	Mechanical, fracture-deformation, and tribology behavior of fillers-reinforced sisal fiber composites for lightweight automotive applications	Pethampalayam Karuppanan Miniappan, Sivagnanam Marimuthu*, <b>Selvan Dharani Kumar, KPRIET</b> Gopal Gokilakrishnan, Shubham Sharma*, Changhe Li, Shashi Prakash Dwivedi, and Mohamed Abbas*	Reviews on Advanced Materials Science	<a href="https://www.degruyter.com/document/doi/10.1515/rams-2023-0342/html">https://www.degruyter.com/document/doi/10.1515/rams-2023-0342/html</a>	<b>August &amp; 2023</b>	SCI	3.67 & Q2	<a href="https://www.degruyter.com/document/doi/10.1515/rams-2023-0342/html">https://www.degruyter.com/document/doi/10.1515/rams-2023-0342/html</a>

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11	Facile Exfoliation and physicochemical characterization of biomass-based Cellulose derived from Lantana aculeata leaves for Sustainable Environment	<b>Dr.S.Gokulkumar &amp; KPRIET</b> , Indran Suyambulingam & King Mongkut's University of Technology North Bangkok (KMUTNB), Bangkok Indran Suyambulingam, Divya Divakaran, G. Suganya Priyadharshini, M. Aravindh, Jenish Iyyadurai, M. Sanju Edwards & Suchart Siengchin KMUTNB	Macromolecular Research	<a href="https://link.springer.com/article/10.1007/s13233-023-00197-8">https://link.springer.com/article/10.1007/s13233-023-00197-8</a>	<b>September &amp; 2023</b>	SCI	<b>2.4 &amp; Q2</b>	<a href="https://link.springer.com/article/10.1007/s13233-023-00197-8">https://link.springer.com/article/10.1007/s13233-023-00197-8</a>
12	Design and analysis of automatic toilet cleaning machine for Indian style toilets	<b>T. Kannan - KPRIET,B. Arulmurugan- KPRIET ,D. Balaji-KPRIET , R. Ramesh -SANDVIK</b>	AIP Conference proceedings	<a href="https://doi.org/10.1063/5.0144107">https://doi.org/10.1063/5.0144107</a>	<b>September &amp; 2023</b>	Scopus	NA	<a href="https://doi.org/10.1063/5.0144107">https://doi.org/10.1063/5.0144107</a>
13	<b>Evaluation of Mechanical Performance of Additive Manufactured PA6GF30 Alloy</b>	<b>M.Kumar &amp; KPRIET Reshwin Jim, Prasanna V, Santhoshkumar T</b>	AIP Conference Proceedings	<a href="https://doi.org/10.1063/5.0170737.2912,1">https://doi.org/10.1063/5.0170737.2912,1</a>	<b>October &amp; 2023</b>	Scopus	NA	<a href="https://pubs.aip.org/aip/acp/article/2912/1/020012/2917825/Evaluation-of-mechanical-performance-of-additive">https://pubs.aip.org/aip/acp/article/2912/1/020012/2917825/Evaluation-of-mechanical-performance-of-additive</a>

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14	Study on the photovoltaic panel using nano-CeO <sub>2</sub> /Water-based Nanofluid	<b>P.Manoj Kumar &amp; KPRIET Radhey Shyam Meena, S. Sivaramakrishnan, M. Sudhakar, K T Thilagham, K R Senthil Kumar &amp; Raviteja Surakasi</b>	International Journal on Interactive Design and Manufacturing (IJIDeM)	<a href="https://doi.org/10.1007/s12008-023-01604-1">https://doi.org/10.1007/s12008-023-01604-1</a>	<b>October &amp; 2023</b>	Scopus	2.1 & Q2	<a href="https://link.springer.com/article/10.1007/s12008-023-01604-1">https://link.springer.com/article/10.1007/s12008-023-01604-1</a>
15	Experimental studies on water absorption and mechanical properties of Hibiscus Sabdariffa (Roselle) and Urena lobata (Caesar weed) plant Fiber-Reinforced hybrid epoxy composites: effect of weight fraction of nano-graphene fillers	<b>M.Sasikumar &amp; KIT S.Sathish &amp; KPRIET, M.Makeshkumar &amp; KPRIET, S.Gokulkumar KPRIET</b>	International Polymer Processing	<a href="https://doi.org/10.1515/ipp-2023-4398">https://doi.org/10.1515/ipp-2023-4398</a>	<b>September &amp; 2023</b>	SCI	1.13 & Q3	<a href="https://www.degruyter.com/document/doi/10.1515/ipp-2023-4398/html">https://www.degruyter.com/document/doi/10.1515/ipp-2023-4398/html</a>

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16	Fabrication of Biodegradable Kraft Paper from Buffing Dust and Jute Fiber: Green Solutions for Packaging	<b>Uddin, Md. Elias, Khulna University of Engineering &amp; Technology Noyon, Md Ashikur Rahaman; Karim , Md. Suzaul ; Rouf, Md. Abdur ; Jamal, Mamun ; Layek, Rama; S, Gokulkumar; Uddin, Md. Elias</b>	Polymer Engineering and Science	<a href="https://doi.org/10.1002/pen.26503">https://doi.org/10.1002/pen.26503</a>	<b>September &amp; 2023</b>	SCI	3.2 & Q2	<a href="https://4spepublications.onlinelibrary.wiley.com/doi/abs/10.1002/pen.26503">https://4spepublications.onlinelibrary.wiley.com/doi/abs/10.1002/pen.26503</a>
17	Biodegradable composite from discarded hair keratin and graphene oxide with improved mechanical, thermal and barrier properties: An eco-friendly solution to waste materials	<b>Uddin, Md. Elias, Khulna University of Engineering &amp; Technology "Uddin, Md. Elias; Noyon, Md Ashikur Rahaman; Dey, Thuhin Kumar; Jamal, Mamun; Islam, Rashedul; Khulna University of Engineering and Technology &amp; S, Gokulkumar;, KPRIET"</b>	Polymer International	<a href="https://doi.org/10.1002/pi.6586">https://doi.org/10.1002/pi.6586</a>	<b>October &amp; 2023</b>	SCI	3.2 & Q2	<a href="https://onlinelibrary.wiley.com/doi/abs/10.1002/pi.6586">https://onlinelibrary.wiley.com/doi/abs/10.1002/pi.6586</a>



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18	Examining the Effects of UV Radiation on the Physiochemical and Tensile Properties of Kevlar Reinforced Epoxy Composites	<b>M.Kumar &amp; KPRIET, R.Naveen, KCG College of Technology</b>	Polymer-Plastics Technology and Materials	<a href="https://doi.org/10.1080/25740881.2023.2283766">https://doi.org/10.1080/25740881.2023.2283766</a>	November & 2023	SCI	2.7& Q2	<a href="https://doi.org/10.1080/25740881.2023.2283766">https://doi.org/10.1080/25740881.2023.2283766</a>
19	Experimental investigation on mechanical and tribological analysis of pineapple leaf (Ananas comosus) and sisal (Agave sisalana) fibers reinforced hybrid epoxy composites	<b>Mohanraj M, GCE Salem &amp; Sathish S, KPRIET</b>	International Polymer Processing	<a href="https://www.degruyter.com/document/doi/10.1515/ipp-2023-4433/html">https://www.degruyter.com/document/doi/10.1515/ipp-2023-4433/html</a>	Jan & 2024	SCIE	1.3& Q3	<a href="https://www.degruyter.com/document/doi/10.1515/ipp-2023-4433/html">https://www.degruyter.com/document/doi/10.1515/ipp-2023-4433/html</a>
20	Corrosion Studies on Al6061 Alloy Based Hybrid Metal Matrix Composites	<b>R. Naveen M. Kumar A. Swarnalatha R. Ezhilarasu M.S. Prasath M. Ramesh</b>	International Journal of Vehicle Structures and Systems - Published	<a href="https://doi.org/10.4273/ijvss.15.7.11">https://doi.org/10.4273/ijvss.15.7.11</a> , Vol.15, 7.	December & 2023	Scopus	-	<a href="https://yanthrika.com/eja/index.php/ijvss/article/view/2830">https://yanthrika.com/eja/index.php/ijvss/article/view/2830</a>

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21	Analyzing microstructural, residual stress, and mechanical characteristics in dissimilar welds of Inconel 59 and AISI 904L through double-pulsed gas metal arc welding	<b>Muthukumaran &amp; KPRIET, Arulmurugan B &amp; KPRIET</b>	Sage : Part L	<a href="https://doi.org/10.1177/1464420723122588">https://doi.org/10.1177/1464420723122588</a>	Jan & 2024	SCI	2.3& Q2	<a href="https://journals.sagepub.com/doi/abs/10.1177/14644207231225884">https://journals.sagepub.com/doi/abs/10.1177/14644207231225884</a>
22	Assimilation of a novel thermal collector and phase change material in photovoltaic/thermal system- An energy and exergy based comparative study	<b>Prakash K B - BIT, Subramaniyan C - BIT, Chandrasekaran M - BIT, Manoj Kumar P - KPRIET</b>	Journal of Energy Storage	<a href="https://doi.org/10.1016/j.est.2024.110461">https://doi.org/10.1016/j.est.2024.110461</a>	Jan & 2024	SCI	9.4& Q1	<a href="https://www.sciencedirect.com/science/article/pii/S2352152X2400046X?dgcid=author">https://www.sciencedirect.com/science/article/pii/S2352152X2400046X?dgcid=author</a>
23	Fire retardant potential of natural fiber reinforced polymer composites: a review	<b>A. Felix Sahayaraj &amp; KIT, Tamil Selvan M &amp; DSCE, M. Sasi Kumar &amp; KIT, S. Sathish &amp; KPRIET, S. Gokulkumar &amp; KPRIET, I. Jenish &amp; SAS, M. Makeshkumar &amp; KPRIET</b>	Polymer-Plastics Technology and Materials	<a href="https://doi.org/10.1080/25740881.2024.2303608">https://doi.org/10.1080/25740881.2024.2303608</a>	Jan & 2024	SCI	2.8 & Q2	<a href="https://doi.org/10.1080/25740881.2024.2303608">https://doi.org/10.1080/25740881.2024.2303608</a>

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24	Investigation on topology-optimized compressor piston by metal additive manufacturing technique: Analytical and numeric computational modeling using finite element analysis in ANSYS	<b>Sureshababu Yessian, Sureshkumar Ramalingam, Selvan Dharani Kumar, Gokilakrishnan Gopal, Shubham Sharma*, Abhinav Kumar, Changhe Li, and Mohamed Abbas*</b>	Open Physics	<a href="https://doi.org/10.1515/phys-2022-0259">https://doi.org/10.1515/phys-2022-0259</a>	<b>October &amp; 2023</b>	SCI	1.9	<a href="https://www.degruyter.com/document/doi/10.1515/phys-2022-0259/html">https://www.degruyter.com/document/doi/10.1515/phys-2022-0259/html</a>
25	Analysis of brake performance of an all-terrain vehicles by simulation and experimental techniques	<b>V. Amarnath N. Karthi Yogesh Kumar Samson Akash L. Rajeshkumar</b>	AIP Conference Proceedings		December & 2023	Scopus	-	<a href="https://doi.org/10.1063/5.0178954">https://doi.org/10.1063/5.0178954</a>
26	Investigation of CI engine with Mg based zinc oxide nano additives in fish oil biodiesel blends	<b>Dr.S.Ramesh babu &amp; N. Udhaya kumar., KRRRIET</b>	Thermal energy and calorimetry	61(7)	Jan & 2024	SCI	4.75 & Q1	

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27	"Performance Analysis of a Single Slope Forced Convection Solar Dryer"	<b>V. Amarnath; N. Vigneshkumar; Yogesh Kumar; Samson Akash; L. Rajeshkumar</b>	Advances in Physical Sciences and Materials  (ICAPSM 2022)		December & 2023	Scopus		<a href="https://doi.org/10.1063/5.0178953">https://doi.org/10.1063/5.0178953</a>
28	Development and Characterization of Glycine Max Seed Powder Blended with Unidirectional Agave Fourcroydes Reinforced Epoxy Nanocomposite	<b>S. Gokulkumar , T. Kannan, N. Karthi , S. Sathish , L. Prabhu , M. Aravindh, and J. Alex</b>	Proceedings of the International Symposium on Lightweight and Sustainable Polymeric Materials (LSPM23)	978-981-99-5567-1	<b>October &amp; 2023</b>	Scopus		<a href="https://doi.org/10.1007/978-981-99-5567-1_12">https://doi.org/10.1007/978-981-99-5567-1_12</a>
29	Experimental investigation on mechanical and tribological analysis of pineapple leaf (Ananas comosus) and sisal (Agave	<b>Mohanraj M, GCE Salem &amp; Sathish S, KPRIET</b>	International Polymer Processing - Published	<a href="https://www.degruyter.com/document/doi/10.1515/ipp-2023-4433/html">https://www.degruyter.com/document/doi/10.1515/ipp-2023-4433/html</a>	08.01.2024	SCIE	1.3 & Q3	<a href="https://www.degruyter.com/document/doi/10.1515/ipp-2023-4433/html">https://www.degruyter.com/document/doi/10.1515/ipp-2023-4433/html</a>

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	sisalana) fibers reinforced hybrid epoxy composites							
30	Optimization of FSW parameters on bio-inspired jigsaw suture patterns to improve the tensile strength of dissimilar thermoplastics	<b>M Raguramsingh, , M Suresh, Department of Robotics and Automation Engineering, PSG College of Technology, Coimbatore, Tamil Nadu, India , S Arivazhagan, KPR Institute of Engineering and Technology, Coimbatore, Ganapathy S. Veerasamy Chettiar College of Engineering and Technology, Tenkasi, Tamil Nadu, India</b>	Materials Research Express	<a href="#">Volume 10, Number 10</a>	28.12.2023	SCI	2.3& Q2	<a href="https://iopscience.iop.org/article/10.1088/2053-1591/acdf7/meta">https://iopscience.iop.org/article/10.1088/2053-1591/acdf7/meta</a>

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31	Study on enhancing groundwater quality in a coastal area of Saudi Arabia using a curved glass solar still	<b>Mohammed Almeshaal, Imam Mohammad University, Saudi Arabia P.Manoj Kumar &amp; KPRIET</b>	Groundwater for Sustainable Development	<a href="https://doi.org/10.1016/j.gsd.2024.101154">https://doi.org/10.1016/j.gsd.2024.101154</a>	20.03.2024	WoS, SCOPUS	5.9& Q1	<a href="https://www.sciencedirect.com/science/article/pii/S2352801X2400078X">Study on enhancing groundwater quality in a coastal area of Saudi Arabia using a curved glass solar still - ScienceDirect</a>
32	Investigating the influence of solar distillation on improving the groundwater quality index in the southern region of Riyadh, Saudi Arabia	<b>Abdulaziz Alasiri, Imam Mohammad University, Saudi Arabia P.Manoj Kumar &amp; KPRIET</b>	Groundwater for Sustainable Development	<a href="https://doi.org/10.1016/j.gsd.2024.101155">https://doi.org/10.1016/j.gsd.2024.101155</a>	18.03.2024	WoS, SCOPUS	5.9& Q2	<a href="https://www.sciencedirect.com/science/article/pii/S2352801X2400078X">https://www.sciencedirect.com/science/article/pii/S2352801X2400078X</a>
33	Characterization of bio-nano doped phase change material (bio-nano/PCM) for building energy management	<b>S.D. Anitha Selvasofia, Sri Ramakrishna Engineering College, Coimbatore S Deepa Shri, Hindusthan College of Engineering and Technology, Coimbatore, P. Manoj Kumar, KPRIET and Prakash K</b>	Energy Sources, Part A: Recovery, Utilization, and Environmental Effects	<a href="https://doi.org/10.1080/15567036.2024.2322690">https://doi.org/10.1080/15567036.2024.2322690</a>	14.03.2024	SCI	2.9 & Q1	<a href="https://www.tandfonline.com/doi/full/10.1080/15567036.2024.2322690">https://www.tandfonline.com/doi/full/10.1080/15567036.2024.2322690</a>

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		<b>B, BIT</b>						
34	MECHANICAL PROPERTIES AND FAILURE ANALYSIS OF PLA/COPPER COMPOSITES FABRICATED BY FUSED DEPOSITION MODELLING	<b>R.Vijaya kumar-NGPIT,K.RaviKumar &amp; KPRIET, Nisha Soms, KPRIET</b>	J. Min. Metall. Sect. B-Metall.	60 (1) (2024) 33 - 44	12.3.2024	SCI	1 & Q3	<a href="https://doiserbia.nb.rs/img/doi/1450-5339/2024%20OnLine-First/1450-53392400003K.pdf">https://doiserbia.nb.rs/img/doi/1450-5339/2024%20OnLine-First/1450-53392400003K.pdf</a>

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35	Processing and Characterization of Strychnos nux-vomica Fiber Reinforced Epoxy based Composite Material	<b>Sasi Kumar M, Makesh Kumar M, Surender S.R*, Suganya Priyadharshini G, Vembarasan E and Hari Prasath V</b>	Nano World Journal	<a href="https://doi.org/10.17756/nwj.2023-s1-046">https://doi.org/10.17756/nwj.2023-s1-046</a>	30.07.2023	Scopus	NA	<a href="https://www.researchgate.net/profile/Sasi-Kumar-Mani/publication/374061525_Processing_and_Characterization_of_Strychnos_nux-vomica_Fiber_Reinforced_Epoxy_based_Composite_Material/links/650c0af5d5293c106cca5b08/Processing-and-Characterization-of-Strychnos-nux-vomica-Fiber-Reinforced-Epoxy-based-Composite-Material.pdf">https://www.researchgate.net/profile/Sasi-Kumar-Mani/publication/374061525_Processing_and_Characterization_of_Strychnos_nux-vomica_Fiber_Reinforced_Epoxy_based_Composite_Material/links/650c0af5d5293c106cca5b08/Processing-and-Characterization-of-Strychnos-nux-vomica-Fiber-Reinforced-Epoxy-based-Composite-Material.pdf</a>



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36	Mechanical Characterization of Fiber Reinforced Epoxy Composite: Ziziphus oenoplia Fiber	<b>P. Arunkumar, S.R. Surender, G. Suganya Priyadharshini, M. Makesh Kumar, R. Sanjiv and B. Balachander</b>	Nano World Journal		30.07.2023	Scopus	NA	<a href="https://www.researchgate.net/profile/Sasi-Kumar-Mani/publication/374061201_Mechanical_Characterization_of_Fiber_Reinforced_Epoxy_Composite_Ziziphus_oenoplia_Fiber/links/650c09c9c05e6d1b1c1f3846/Mechanical-Characterization-of-Fiber-Reinforced-Epoxy-Composite-Ziziphus-oenoplia-Fiber.pdf">https://www.researchgate.net/profile/Sasi-Kumar-Mani/publication/374061201_Mechanical_Characterization_of_Fiber_Reinforced_Epoxy_Composite_Ziziphus_oenoplia_Fiber/links/650c09c9c05e6d1b1c1f3846/Mechanical-Characterization-of-Fiber-Reinforced-Epoxy-Composite-Ziziphus-oenoplia-Fiber.pdf</a>
37	Effect of fiber orientation on physical and mechanical properties of Typha angustifolia natural fiber reinforced composites	<b>Venkateswaran Bhuvanewari, Lakshminarasimhan Rajeshkumar, Thottyeapalayam Palanisamy Sathishkumar, Guruswamy Rajeshkumar, Mavinkere Rangappa Sanjay, Suchart Siengchin</b>	Applied Science and Engineering Progress	<a href="https://doi.org/10.14416/i.asep.2022.11.004">https://doi.org/10.14416/i.asep.2022.11.004</a>	23.08.2023	Scopus	Q2	<a href="https://ph02.tci-thaijo.org/index.php/ijast/article/view/250634">https://ph02.tci-thaijo.org/index.php/ijast/article/view/250634</a>

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38	An overview of stress analysis of composites through computational modelling and simulation with the aid of patent landscape analysis	<b>V Bhuvaneshwari, B Arulmurugan, Devarajan Balaji, M Aravindh, L Rajeshkumar</b>	Archives of Computational Methods in Engineering (ARCO)	<a href="https://doi.org/10.1007/s11831-024-10085-8">https://doi.org/10.1007/s11831-024-10085-8</a>	01.03.2024	WoS	9.7 & Q1	<a href="https://doi.org/10.1007/s11831-024-10085-8">An Overview of Stress Analysis of Composites Through Computational Modelling and Simulation with the Aid of Patent Landscape Analysis   Archives of Computational Methods in Engineering (springer.com)</a>
39	Physicochemical characterization of novel biomass-based microcrystalline cellulose derived from agro-industrial residues of Rosa indica petals	<b>G Priyadharshini, Gokulkumar Sivanantham, Divya Divakaran, Indran Suyambulingam, P Senthamaraikannan, Aravindh Murugan, MR Sanjay, Suchart Siengchin</b>	PHYSIOLOGIA PLANTARUM	<a href="https://doi.org/10.1111/ppl.14152">https://doi.org/10.1111/ppl.14152</a>	09.01.2024	SCI	6.4 & Q1	<a href="https://onlinelibrary.wiley.com/doi/10.1111/ppl.14152">https://onlinelibrary.wiley.com/doi/10.1111/ppl.14152</a>
40	Adapting a phenomenological model for predicting acoustical behaviour of Camellia sinensis/Ananas comosus/E-glass	<b>Gokulkumar Sivanantham, Thyla Pudukarai Ramaswamy, Sathish Selvaraj, Aravindh Murugan, Felix Sahayaraj Arockiasamy,</b>	Proceedings of the Institution of Mechanical Engineers, Part L: Journal of	<a href="https://doi.org/10.1177/14644207241237736">https://doi.org/10.1177/14644207241237736</a>	07.03.2024	SCI	2.4 & Q2	<a href="https://journals.sagepub.com/doi/abs/10.1177/14644207241237736">https://journals.sagepub.com/doi/abs/10.1177/14644207241237736</a>

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	fibre-blended epoxy hybrid composites	<b>Sasi Kumar Mani, Md Elias Uddin</b>	Materials: Design and Applications					
41	Effective Thermal Performance Assessment for Prismatic Triangular Solar Air Heater Integrated with Fins and Turbulators	<b>P. Michael Joseph Stalin-ACET, Putta Nageswara Rao-Venkatadri Institute of Technology , P. Murugesan-Imam Mohammad Ibn Saud Islamic University Saudi Arabia , P.Manoj Kumar &amp; KPRIET, K. Udhayakumar -Er Perumal Manimekalai College of Engineering</b>	Numerical Heat Transfer, Part A: Applications	<a href="https://doi.org/10.1080/10407782.2024.2357592">10.1080/10407782.2024.2357592</a>	<b>24.05.2024</b>	SCIE	2&Q1	<a href="https://www.tandfonline.com/doi/full/10.1080/10407782.2024.2357592">https://www.tandfonline.com/doi/full/10.1080/10407782.2024.2357592</a>
42	Optimizing friction stir processing parameters for aluminium alloy 2024 reinforced with SiC particles: A taguchi approach of investigation	<b>S. Saravanakumar-MKCET, K.B. Prakash-BIT, D. Dinesh-BIT, P. Manoj Kumar-KPRIET, Yasser Fouad-King Saud Univ, Manzoore Elahi M. Soudagar-Oplole Univ, Muhammad Mahmood Ali-Atlantic Univ,</b>	Journal of Materials Research and Technology	<a href="https://doi.org/10.1016/j.jmrt.2024.04.066">https://doi.org/10.1016/j.jmrt.2024.04.066</a>	<b>15.04.2024</b>	SCI	6.4 &Q1	<a href="https://www.sciencedirect.com/science/article/pii/S2238785424008421">https://www.sciencedirect.com/science/article/pii/S2238785424008421</a>

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		<b>Muhammad Nasir Bashir-Yonse Univ</b>						
43	Influence of Different Melting Points of Phase Change Material on Photovoltaic Phase Change Materials System Performance: An Energy, Exergy, and Environmental Point of View	<b>Mohammed Almeshaal, Imam Mohammad University, Saudi Arabia, Prakash K B - BIT, Subramaniyan C - BIT, Manoj Kumar P - KPRIET, S. Saravanakumar-MKCET</b>	Energy Technology	<a href="https://doi.org/10.1002/ente.202400286">https://doi.org/10.1002/ente.202400286</a>	<b>4.6.2024</b>	SCIE	3.8 &Q2	<a href="https://onlinelibrary.wiley.com/doi/10.1002/ente.202400286">https://onlinelibrary.wiley.com/doi/10.1002/ente.202400286</a>
44	Experimental Study on Mechanical, Chemical and Acoustical Properties of Waste Tea Leaf Fiber Reinforced Epoxy Composites	<b>Loganathan Prabhu*, S. Sathish, S. Gokul Kumar, S. Dharani Kumar, K. Namburigha, A. Naveen Kumar, M. Ragul Kumar, P.M. Ravishankar, S.P. Saravanagowri, K.M. Shobika, KPRIET</b>	Materials Science Forum	<a href="#">Volume 1112 / 5, 13-25</a>	<b>20.02.2024</b>	Scopus	NA	<a href="https://www.scientific.net/MSF.1112.13">https://www.scientific.net/MSF.1112.13</a>
45	Improvement of physical, chemical, mechanical, and morphological	<b>S.Sathish &amp; KPRIET, M.Makeshkumar &amp; KPRIET, M. Bharathi &amp; KIT</b>	Biomass Conversion and Biorefinery	<a href="https://doi.org/10.1007/s13399-024-05779-9">https://doi.org/10.1007/s13399-024-05779-9</a>	<b>28.05.2024</b>	SCI	4 & Q2	<a href="https://doi.org/10.1007/s13399-024-05779-9">https://doi.org/10.1007/s13399-024-05779-9</a>

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	properties of Luffa cylindrica fiber reinforcement composites using Java seed filler			<a href="#">9</a>				
46	An Overview of the Additive Manufacturing of Bast Fiber-Reinforced Composites and Envisaging Advancements Using the Patent Landscape	<b>V Bhuvaneshwari, B Arulmurugan, Devarajan Balaji, KPRIET</b>	polymers	<a href="https://doi.org/10.3390/polym15224435">https://doi.org/10.3390/polym15224435</a>	<b>16.11.23</b>	WoS	5 & Q1	<a href="#">Polymers   Free Full-Text   An Overview of the Additive Manufacturing of Bast Fiber-Reinforced Composites and Envisaging Advancements Using the Patent Landscape (mdpi.com)</a>
47	Suitability Evaluation of Raw and Alkali-Treated Cannonball Fibers as Reinforcement in Polymer Composites	<b>T Ganapathy, S.R. Engineering College, Sivakasi, P Senthamaraikannan, K.S. R College of Engineering, KSR Kalvi Nagar, Tiruchengode, K Murugeswari, Veerasamy Cheetiar College of Engineering</b>	Waste and Biomass Valorization	<a href="https://link.springer.com/article/10.1007/s12649-024-02514-3">https://link.springer.com/article/10.1007/s12649-024-02514-3</a>	<b>2024-4-23</b>	SCI	3.2 & Q2	<a href="https://link.springer.com/article/10.1007/s12649-024-02514-3">https://link.springer.com/article/10.1007/s12649-024-02514-3</a>

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		and Technology, Tenkasi, S Arivazhagan, KPRIET, Santhoshkumar Muthu, Kongunadu Arts and Science College, Coimbatore						

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48	An Investigation about Microstructures, Mechanical Properties and Corrosion Behaviour of the TIG – MIG Hybrid Welded Dissimilar UNS 2205 and is 2062 Steels	<b>N. Mohan Raj, Associate Professor, Department of Mechanical Engineering, Sri Krishna College of Technology, Coimbatore, Tamilnadu, India.</b> <b>N. Mathan Kumar, Associate Professor, Department of Mechanical Engineering, KPR Institute of Technology, Coimbatore India.</b> <b>S.Nagaraja, Professor, Akshaya College of Engineering &amp; Technology, Kinathukadavu, Coimbatore, India.</b> <b>S.Paulsingarayar, NPR College of Engineering &amp; Technology, Natham, Dindigul.</b>	Key Engineering Materials	<a href="#">Vol. 979, pp 93-102</a>	<b>05-04-2024</b>	Scopus	0.9 & Q2	<a href="https://www.scientific.net/KEM.979?utm_source=KEM979&amp;utm_medium=email&amp;utm_campaign=KEM979_authors&amp;utm_id=KEM979">https://www.scientific.net/KEM.979?utm_source=KEM979&amp;utm_medium=email&amp;utm_campaign=KEM979_authors&amp;utm_id=KEM979</a>

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49	Impact of Assorted Temperature on Yield and Surface Morphology of Multiple Layers of Carbon Nanotubes by Spurt Pyrolysis Techniques	<b>N.Mathan Kumar, Department of Mechanical Engineering, KPR Institute of Technology, Coimbatore - 641407,</b> <b>S.Paulsingarayar, Department of Mechanical Engineering, NPR College of Engineering &amp; Technology, Dindigul</b> <b>S.Nagaraja, , Akshaya College of Engineering &amp; Technology, Coimbatore</b> <b>S.Kalaiselvan.M.Kumarsamy College of Engineering and Technology, Karur - 639113, Tamil Nadu, India</b>	Materials Science Forum	<a href="#">Vol. 1119, pp 101-110</a>	<b>29/03/2024</b>	YES	1 & Q2	<a href="#">Materials Science Forum Vol. 1119   Scientific.Net</a>



S.No	Title of the paper	Name of the Authors & Affiliation as per the order in paper	Name of the Journal	Volume No, Issue No & Page No	Month & Year	Indexed in	Impact factor & Quartiles	Online Link of the paper
50	Characterization and physicochemical properties of lignocellulosic fibers from Fishtail Palm (Caryota mitis) Leaf Stalks	<b>Gokulkumar Sivanantham, KPRIET, Gurupranes Sivaraj Vijaya, Aravindh Murugan, Sathish Selvaraj, Kannan Thangavelu, Sasi Kumar Mani, KIT Coimbatore</b>	Composites and Advanced Materials	<a href="https://doi.org/10.1177/26349833241256968">DOI: 10.1177/26349833241256968</a>	<b>1.4.2024</b>	SCI	2.2 & Q3	<a href="https://journals.sagepub.com/doi/10.1177/26349833241256968">https://journals.sagepub.com/doi/10.1177/26349833241256968</a>
51	Enhancement of Mechanical Properties of Ramie and Jute Fibers Reinforced Epoxy Hybrid Composites: Influencing of SiC and Al <sub>2</sub> O <sub>3</sub>	<b>Dr.S.Sathish, M.Aravind &amp; Dr.R.Senthilkumar, KPRIET</b>	Part C: Journal of Mechanical Engineering Science	<a href="https://doi.org/10.1177/09544062231212741?icid=int.sj-abstract.citing-articles.4">https://doi.org/10.1177/09544062231212741?icid=int.sj-abstract.citing-articles.4</a>	<b>31.12.2024</b>	SCI	2 & Q2	<a href="https://journals.sagepub.com/doi/10.1177/09544062231212741?icid=int.sj-abstract.citing-articles.4">https://journals.sagepub.com/doi/10.1177/09544062231212741?icid=int.sj-abstract.citing-articles.4</a>
52	Extraction of cellulose from soybean hulls for the development of polymer matrix composites with fishtail palm fibers	<b>Dr.Rajkumar.S&amp;Dr.Wasih un wondimu, Dr.R.A nand Kumar &amp; KPRIET</b>	Materials Research Express	<a href="https://doi.org/10.1088/2053-1591/ad36b8">10.1088/2053-1591/ad36b8</a>	<b>25.3.2024</b>	SCI	2.3 & Q2	<a href="https://ui.adsabs.harvard.edu/abs/2024MRE....11c5309R/abstract">https://ui.adsabs.harvard.edu/abs/2024MRE....11c5309R/abstract</a>